

SCHEME OF WORK FOR SS1 MATHEMATICS

WEEK	CONTENT
1.	Reviewing of last term work/ Resumption
2.	Proof of some basic theorem: <ul style="list-style-type: none">i. Angle sum of a triangle is 180°ii. The exterior angle of a triangle is equal to the sum of two interiors opposite angles.iii. Riders including: angles of parallel line, angles of polygon, congruent triangles, properties of a parallelogram, intercept theorem
3.	Trigonometric ratios: <ul style="list-style-type: none">i. Basic trigonometric ratios, sine, cosine, tangent with respect to right angled triangles.ii. Trigonometric ratios of special angle 30°, 45°, 60°
4.	Trigonometric ratios: <ul style="list-style-type: none">i. Application of trigonometric ratios to simple problemsii. Trigonometric ratios related to the unit circleiii. Graph of sines and cosine.
5.	Menstruation: <ul style="list-style-type: none">i. Length and arcs of circleii. Perimeter of a sector and segmentiii. Area of sectors of a circle and segmentiv. Relationship between the sector of a circle and surface area of a cone.
6.	Menstruation of solid shapes: <ul style="list-style-type: none">i. Surface area and volume of solids.ii. Cube, cuboid, cylinder, cone, prisms and pyramids
7.	Mid Term Test/ Break
8.	Menstruation of solid shapes: <ul style="list-style-type: none">i. Surface area and volume of frustum of cones and pyramids.ii. Surface area and volumes of compound shapes.
9.	Data presentation: <ul style="list-style-type: none">i. Revision on collection, tabulation and presentation of dataii. Frequency distribution
10.	Data presentation: <ul style="list-style-type: none">i. Linear graph, bar chart and histogramii. Pie chartiii. Frequency polygon
11-13	Revision/ Examination

